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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Jonathan Mark HARDY et al.)
Application No.: Unassigned) Group Art Unit: Unassigned
Filed: June 17, 2005) Examiner: Unassigned
For: PROCESS FOR THE PREPARATION OF)
PHOSPHITYLATION AGENTS)

Commissioner for Patents
U.S. Patent and Trademark Office
Alexandria, VA 22314

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed within three months of the date of entry of the national stage in an international application.

Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

An International Search Report citing the listed documents and setting forth the relevance thereof is also enclosed for Examiner's consideration.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take

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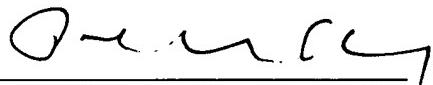
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appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-0310.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP



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Date: June 17, 2005

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Attorney Docket No. 056258-5106	Serial No. 1075210 Unassigned
PTO Form 1449 Page 1 of 2		Applicants Jonathan Mark HARDY et al.	
		Filing Date June 17, 2005	Group Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation
						YES NO
	62 212395 A2	September 18, 1987	Japan			abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	TAWARA, SHINICHIRO et al. "Phosphorodiamidous acid ester derivatives" XP002272471 Database accession no. 109:149797 CA
	HAMAMOTO S. et al.: "New approach to the synthesis of deoxyribonucleoside phosphoramidite derivatives" CHEMISTRY LETTERS., No. 8, 1986, pages 1401-1404, XP002272465 JPCHEMICAL SOCIETY OF JAPAN. TOKYO
	KRUCZYNSKI L.J. et al.: "Phenylfluorophosphoranes: axial-equatorial fluorine exchange in RC ₆ H ₄ PF ₃ H and intermolecular exchange in the PhPF ₂ (H) OMe-MeOH-base system" CANADIAN JOURNAL OF CHEMISTRY., vol. 68, no. 3, 1990, pages 488-491, XP002272466 CANATIONAL RESEARCH COUNCIL. OTTAWA.
	HEINICKE J. et al.: "Synthese von o-Halogenphenoxy-, o-Halogenphenylthio- und o-Halogen-methylanilinoderivaten der IVb- und Vb-Elemente" JOURNAL FUER PRAKKTISCHE CHEMIE., vol. 325, no. 3, 1983, pages 511-516, XP0008028030 DEWILEY VCH, WEINHEIM. Page 511, process (A) and page 514
	NIFANT'EV E.E. et al.: "New aspects of the chemistry of pyrrolides of tervalent phosphorus acids" RUSSIAN JOURNAL OF GENERAL CHEMISTRY., vol. 62, no. 7, December 20, 1992, pages 1201-1208, XP002272467 USCONSULTANTS BUREAU.
	KIBARDIN A.M. et al.: "Synthesis of ethyl bis (N-butyl-N-isobutenylamido) phosphite and reaction with alpha-chloroacetaldehydes" BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR. DIVISION OF CHEMICAL SCIENCE., vol. 31, No. 3, September 20, 1982, pages 625-627, XP002272468

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		Applicants Paul McCORMAC	
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	BURGADA R.: "Les reactions du carbonyle avec les aminophosphines X. Effect de substituant dans les reactions d'échange." BULLETIN DE LA SOCIETE CHIMIQUE DE FRANCE., no. 1, 1971, pages 136-143, XP002272469, FRSOCIETE FRANCAISE DE CHIME. PARIS PAGE 140, experimental part
	MITSUNOBU O. et al.: "Preparation of carboxylic esters and phosphoric esters by the activation of alcohols" BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN., vol. 44, no.12, 1971, pages 3427-3430, XP002272470 JP JAPAN PUBLICATIONS TRADING CO. TOKYO. page 3430.
	WILK A et al: "The 4-oxopentyl group as a labile phosphate/thiophosphate protecting group for synthetic oligodeoxyribonucleotides" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 42, no. 33, August 13, 2001 PAGES 5635-5639, XP004295829

Examiner	Date Considered
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	